

Claims:

1. A multilayer cathode backplate structure for use with a field emitter in a display panel comprising a plurality of electrodes separated by one or more patterned layers of a dielectric composition, each said patterned layer being
5 formed by firing a thick film dielectric composition which has been patterned by diffusion patterning.
2. The multilayer cathode backplate structure of Claim 1 wherein the thick film dielectric composition is formed using a diffusion patterning system.
3. The multilayer cathode backplate structure of Claims 1 or 2, further
10 comprising a field emitter.
4. A multilayer cathode backplate structure for use with a field emitter in a display panel comprising a plurality of electrodes separated by one or more patterned layers of a dielectric composition, each said patterned layer being
15 formed by firing a thick film photoprintable composition which has been exposed pattern-wise to actinic radiation and developed.
5. The multilayer cathode backplate structure of Claim 4 wherein said photoprintable composition is a dielectric paste.
6. The multilayer cathode backplate structure of Claims 4 or 5, further comprising a field emitter.
- 20 7. A multilayer cathode backplate structure for use with a field emitter in a display panel comprising a plurality of electrodes separated by one or more patterned layers of a dielectric composition each of which is formed by firing a high strength glass/ceramic tape which has been patterned.
8. The multilayer cathode backplate structure of Claim 7, further
25 comprising a field emitter.